MAXVIEW

B2590/65SNZ
Crank-Up

Installation & Operation Instruction Manual

9111410NZ Iss 1

Useful Information

Date of Purchase _____

Retailer _____

Installer _____

Serial Number _____

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Warranty

Every new Crank-Up Satellite System is thoroughly inspected and tested before leaving the factory, and is covered by the following two years parts and workmanship warranty from the date of original purchase.

Two years parts warranty. The customer is not responsible for the cost of replacement parts if the original part is determined to be defective under the terms of warranty. The customer is responsible for the cost of replacement parts after two years. This warranty does not cover installation or external wiring.

Should any trouble develop during the warranty period or you do experience a problem with the product contact Pudney & Lee Customer Services (see contact information on the Zone Map)

Please make sure you have the following ready when you call:

- Model Number
- Serial Number
- Date of purchase
- Clear and concise details of the fault
- Details of who installed the product

The warranty does not apply where:

- The product has been abused, misused, improperly installed or improperly maintained
- Repairs have been made or attempted by a third party other than Maxview
- Repairs are required due to normal wear and tear
- Modifications have been made to the product
- The antenna unit has been opened
- Damage caused by abrasive cleaning or power washing
- Circumstances beyond the control of Maxview that have caused the product to no longer operate correctly
- Customer is not the original owner or cannot provide proof of purchase

In no event shall Maxview be liable for any indirect, incidental, or consequential damages from the sale or use of the product. This disclaimer applies both during and after the term of the warranty.

This does not affect your statutory rights

Safety Precautions

Read this manual carefully and become familiar with your satellite antenna. Understand its applications, its limitations and any hazards involved. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Maxview declines all responsibility in the event of incident or accident if they are due to a non observation of the installation instructions or the way the product is used.

No modifications are permissible to the Antenna Unit or Handle Assembly.

Installation

- Installation should be carried out by a competent person.
- Take care when working at heights keeping work area clean and tidy to avoid trip hazards.
- Use creeper boards where necessary to ensure roof construction can support your weight.
- Use a recommended adhesive from page 6 to bond the antenna unit to vehicle roof and follow the manufacturer's instructions during application.
- Do not travel until adhesive has cured noting that curing times vary with weather conditions
- Power tools should be used in accordance with manufacturer's instructions.
- All electrical work should be carried out by a competent person. If in doubt seek advice from a qualified electrician.

Operation

- Before starting your journey check that antenna is in the park position.
- The maximum speed of vehicle with antenna mounted on roof is 130km/h.
- Never operate the antenna if someone is in close proximity of the antenna.
- If high winds or electrical storms are anticipated lower antenna to park position.
- Do not allow children to operate the antenna unit.
- Do not operate the Crank-Up with snow or ice on the antenna.

Servicing

- If in the event that you do experience a problem with the system contact Pudney & Lee Customer Services (see contact information on the Zone Map)
- Any inspection or repair must be carried out by Pudney & Lee or an appointed representative of the distributor.
- No regular maintenance required on the system.
- Do not remove cover on Antenna
- Do not use solvent or abrasive cleaning agents on the system.
- Use a suitable mild detergent to clean the Antenna Unit.
- Do not pressure wash the Antenna Unit.
- Check the Antenna Unit fixings for mechanical integrity at least once a year.

Introduction

Please read these instructions fully before installation and using the antenna for the first time. The operation of the antenna has been designed to be as simple as possible however should you require any technical assistance please contact Pudney & Lee customer service.

Proper Use & Operation

The Crank-Up is designed for permanent mounting on a motorhome, caravan or horsebox to manually locate a television broadcast satellite when the vehicle is stationary.

Use of the equipment for any other purpose than the one specified is not permitted and will invalidate the warranty.

All instructions and models are subject to change. In accordance with policy of progressive product, the company reserve the right to alter specifications.

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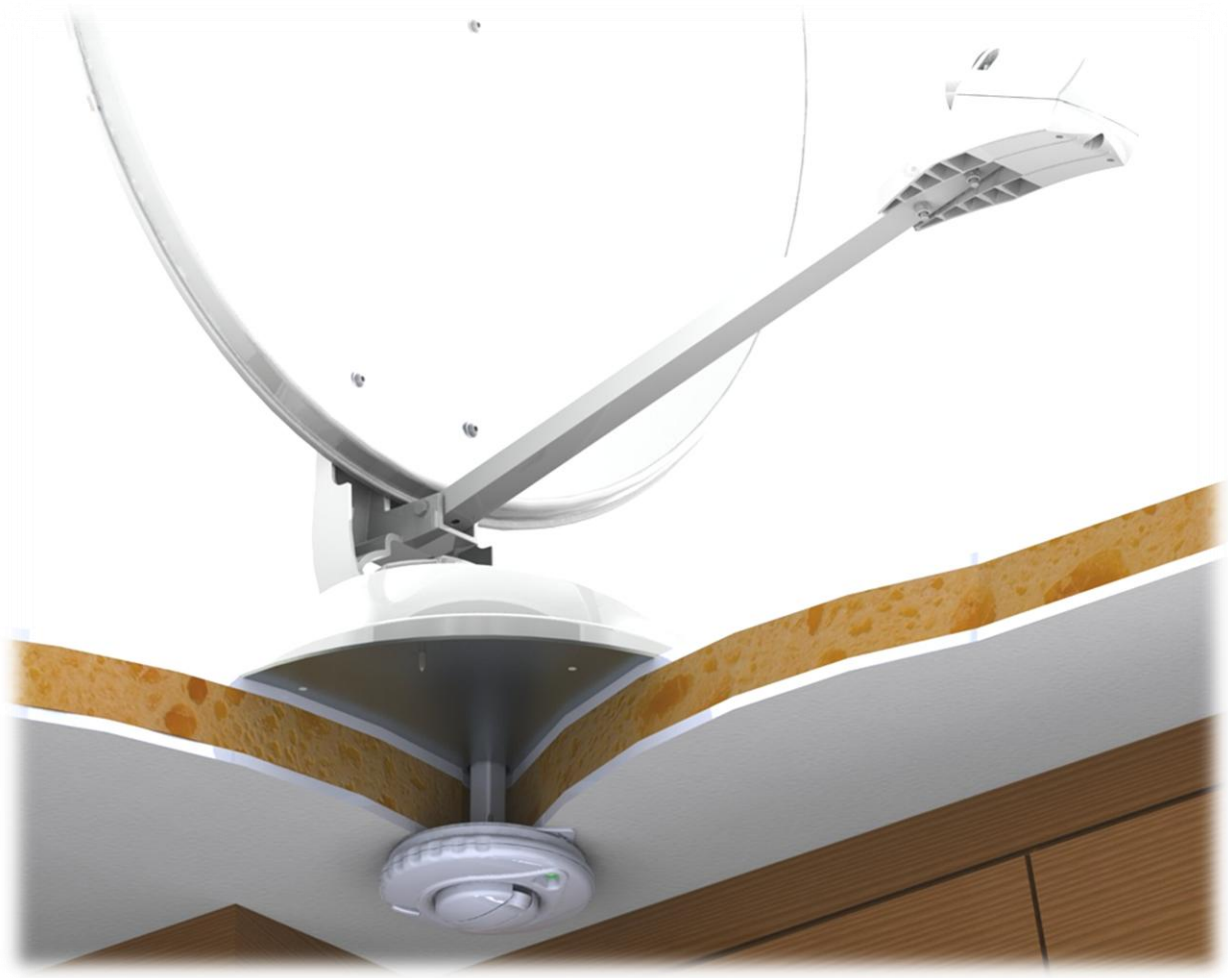
Please keep these instructions safe for future reference.

Recycle packaging where facilities exist.



Installation

Required Tools & Equipment (not supplied)

- 32mm hole saw
- 2.5mm and 8mm twist drill
- Power Drill
- Hacksaw
- No.2 Phillips screwdriver
- Weather Resistant Elastic Adhesive* and Applicator gun
- Surface Cleaner
- 10mm spanner
- Hexagonal socket key 4mm
- Deburrer/Round File/Emery paper
- Conduit (recommend method for securing cables)

***Maxview recommends the following elastic adhesives:**

- Sikaflex®-252
- Sikaflex®-552AT

Product Contents

- Antenna Unit
- Handle Assembly
- 65/85cm Antenna (separate carton)
- Accessory Pack

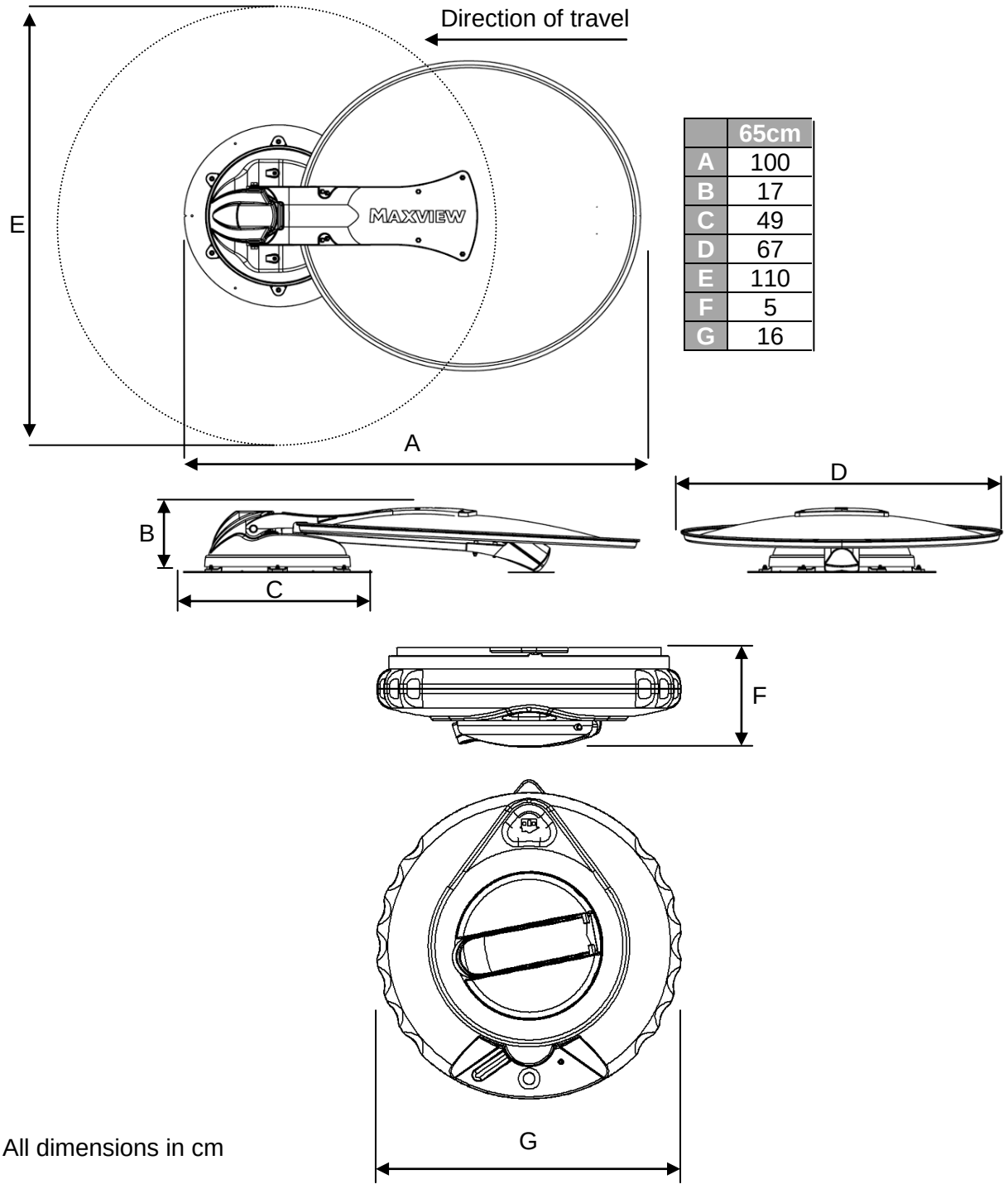
LNB Park Plate	x 1
No.10 Screws (large)	x 10
M4 Screws for Plastic (small)	x 5
Cable Clips	x 12
M6 Button Head Screw	x 4
M6 Locking Nut	x 4
6mm Plastic Washer	x 4
Aluminium 20mm Tube	x 1
Steel 4mm Spindle	x 1
Instruction Manual	x 1
Self Adhesive Zone Map	x 1
Compass	x 1
M5 Washers	x 2

Selecting an Installation Location

Positioning the Antenna Unit and Handle Assembly

Decide where you wish to mount your satellite system, taking into account obstacles both on the roof and inside the vehicle. The system MUST BE pointing towards the rear of the Vehicle

- Check for obstructions such as roof lights and vents
- Check for electrical cables beneath screw fixing points
- Check the co-axial cables will reach the satellite receiver Do not allow the dish to overhang the edge of the vehicle
- Clearance around antenna system when in use is shown with reference E
- Ensure adequate clearance of the handle assembly from cupboard doors and light fittings

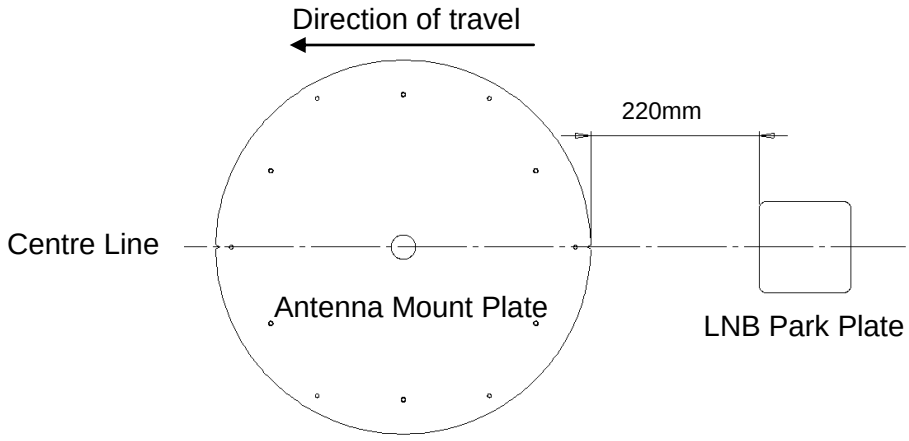


	65cm
A	100
B	17
C	49
D	67
E	110
F	5
G	16

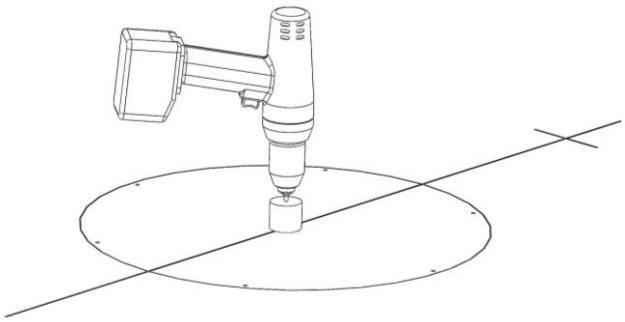
All dimensions in cm

Attaching Antenna Mount Plate & LNB Park Plate

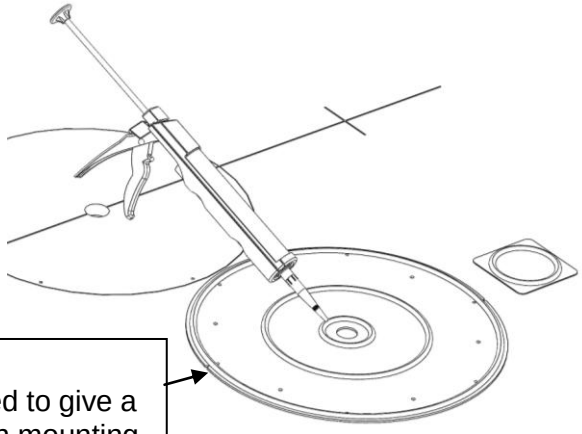
1. Remove antenna unit from wooden transit packaging.
2. Remove mounting plate from Antenna Unit by removing 6 x M6 nuts using 10mm spanner.
3. Clean roof, Mounting Plate and LNB Park Plate in accordance with adhesive manufacturer's guidelines.
4. Mark a centre line for the antenna making sure dish will not overhang vehicle.
5. Align notches on plate with centre line.
6. Mark the position of 6 screw fixing holes and centre hole.
7. Mark position of LNB Park Plate.



8. Drill 6 x 2.5mm pilot holes into the roof
9. Using a 32mm holesaw drill the centre hole through the roof.

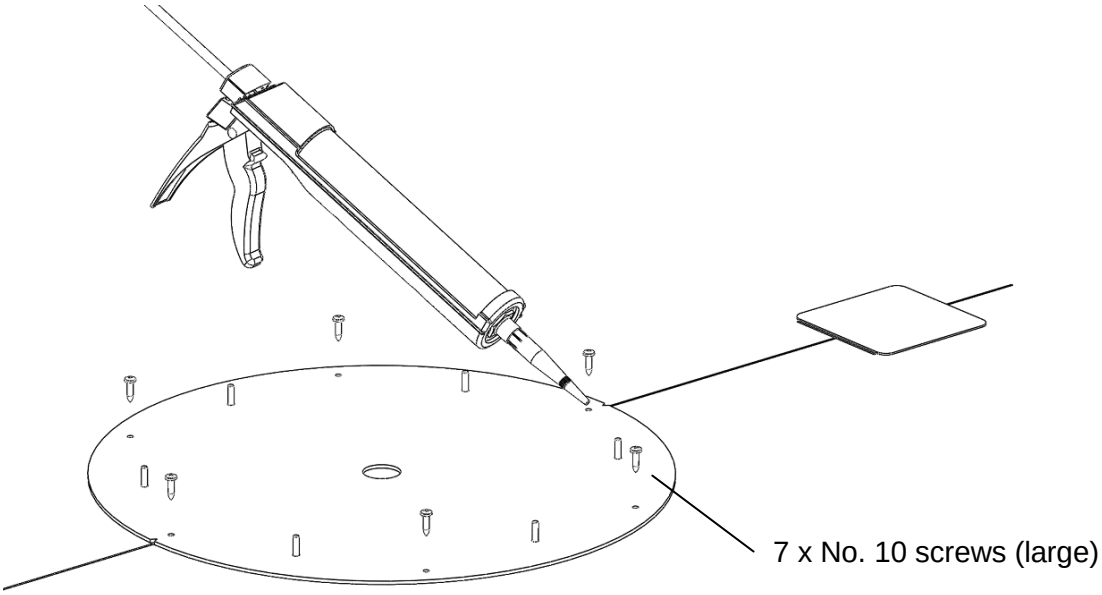


10. Apply rings of adhesive* to surface of Antenna Mounting Plate and LNB Park Plate and firmly place them into position.



Important Note:
Adhesive MUST be used to give a water tight seal between mounting plate and installation surface

11. Place a small amount of adhesive into each pilot hole before screwing plate to roof.
12. Wipe off excess adhesive with a cloth.

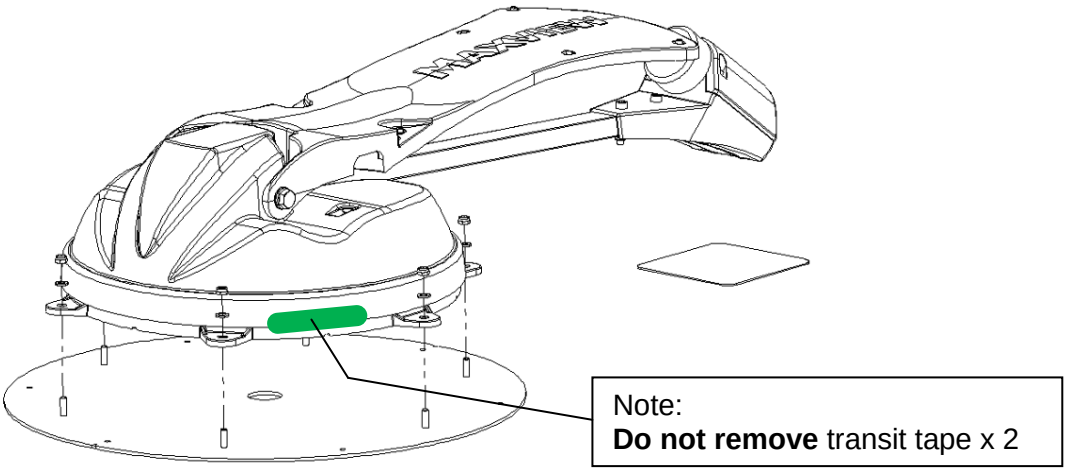


Note

- Follow manufacturer's instructions when applying adhesive. Do not travel until adhesive has cured noting that curing times vary with weather conditions.
- Take care when working at heights. Always follow ladder manufacturer's safety advice.
- Use creeper boards where necessary to ensure roof construction can support your weight.
- Power tools should be used in accordance with manufacturer's instructions.

Attach Antenna Unit to Mounting Plate

Carefully lower the antenna unit onto the Mounting Plate and re-attach the M6 Nuts and Washers that were previously removed.

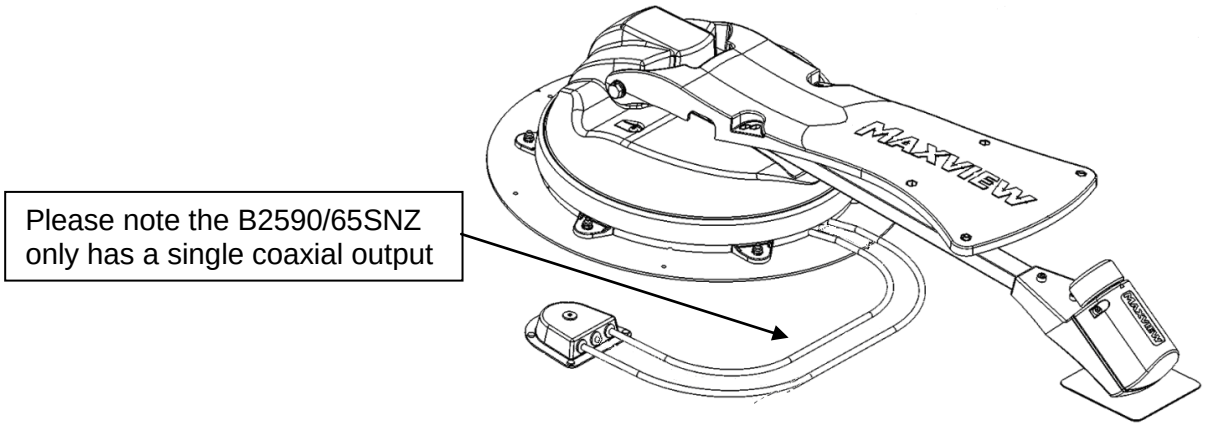


Caution

Replace Nylon locking nuts if they have been removed more than twice. The locking action of the Nylon becomes less effective if repeatedly assembled and disassembled.

Installing coaxial cables

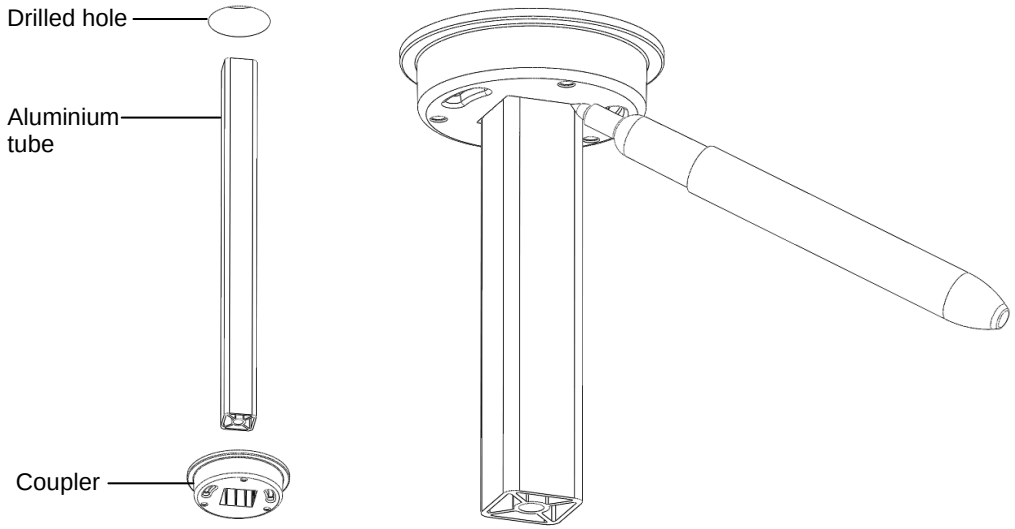
1. Check there are no hidden cables in the roof structure and that the hole location is clear of obstructions both internally and externally.
2. Drill a 8mm hole to pass the satellite cable. Clean off any burrs from the hole and clean surface.
3. Pass cables through the hole.
4. Using adhesive bond cable entry plate to the roof – note the cable glands should face the rear of the vehicle.
5. Secure cable to roof using the cable clips (supplied).
6. Inside the vehicle route cable to satellite receiver and make the F connection.



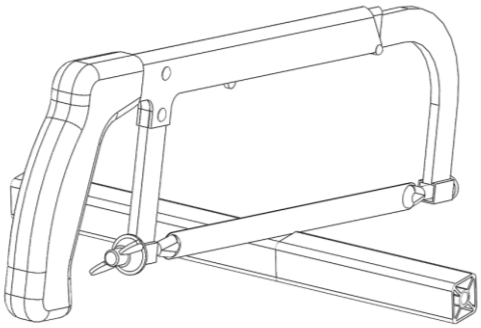
Note
To prevent trip hazards it is recommended that cable is concealed in PVC conduit (not supplied) where access is required to the roof of the vehicle.

Installing the Handle

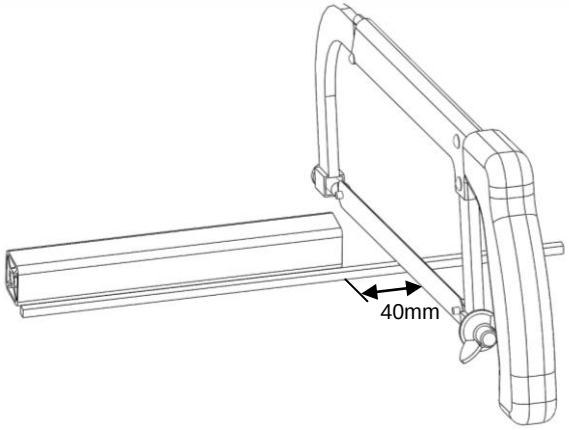
1. Push the aluminium tube into the plastic coupler and insert into the antenna unit through the hole in the ceiling.
   With the plastic coupler pushed up tight to the ceiling, mark the aluminium tube along all four sides.



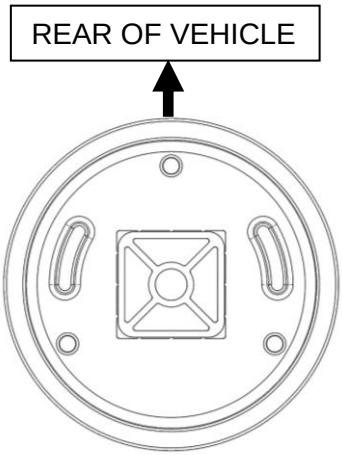
2. Cut the 20mm square tube with a hacksaw. Make the cut so that the line is left on the discarded part of the tube.



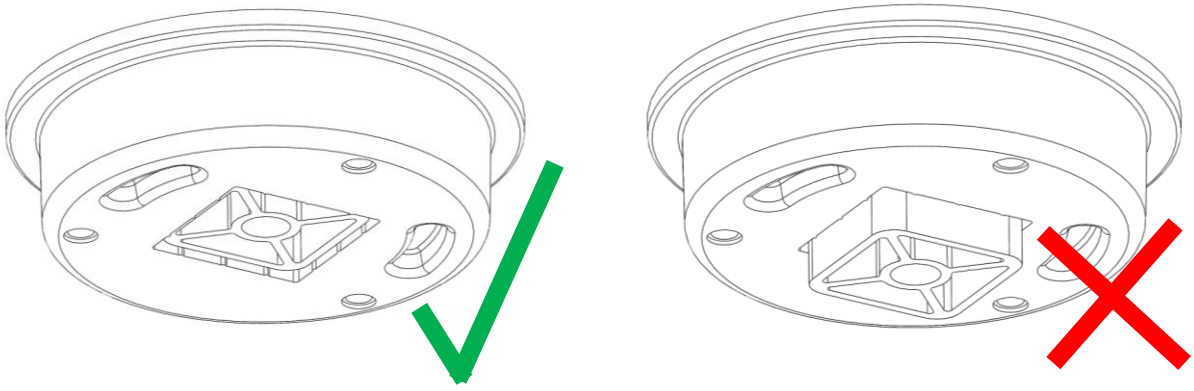
3. Now mark and cut the 4mm spindle so that it is 40mm longer than the tube.



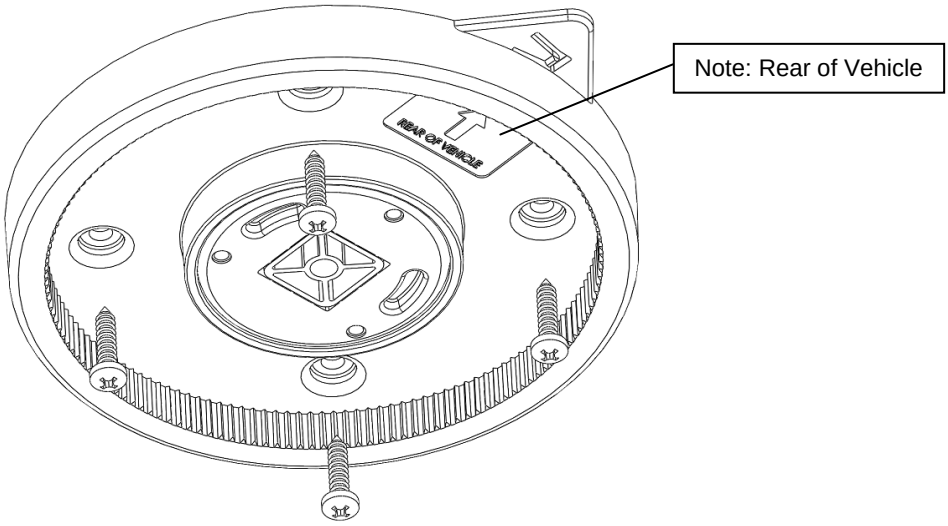
4. With the Coupler Bush aligned to the rear of the vehicle insert the Tube and Coupler Bush through the ceiling hole and into the antenna unit.



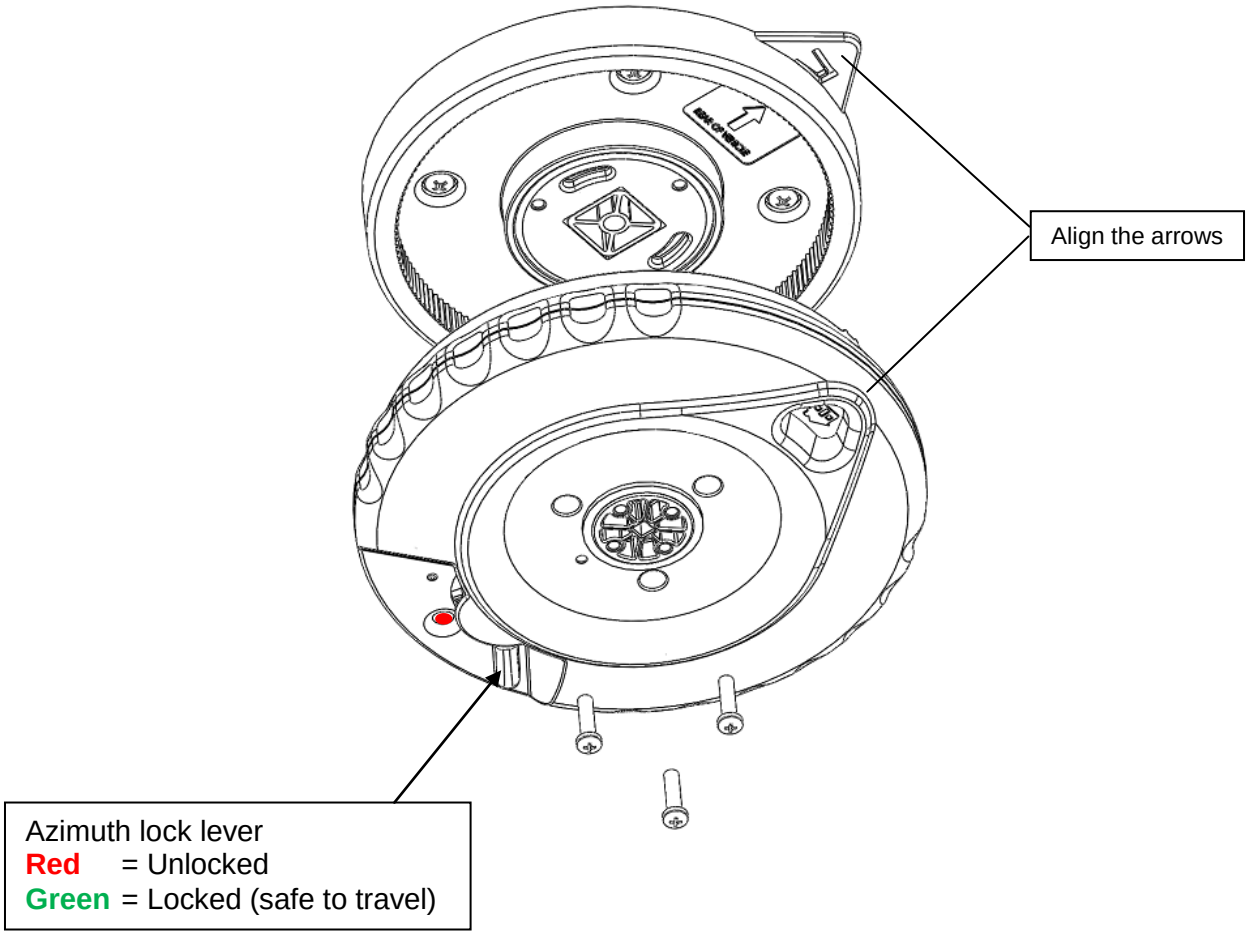
Aluminium Tube should not protrude past the coupler bush



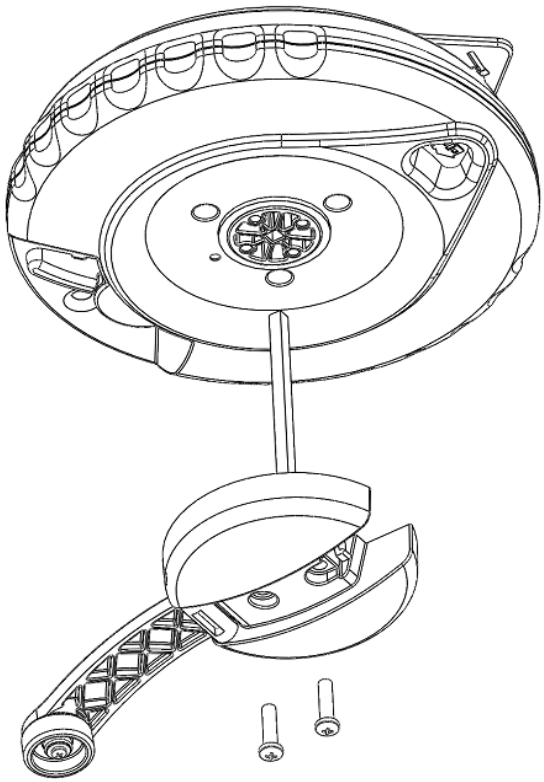
5. Place the Base Plate over the Coupler Bush. Point the arrow to the rear of the vehicle. Mark the four fixing holes. Drill four 2.5mm pilot holes or use a bradawl. With four No10 screws fix the Base Plate to the ceiling



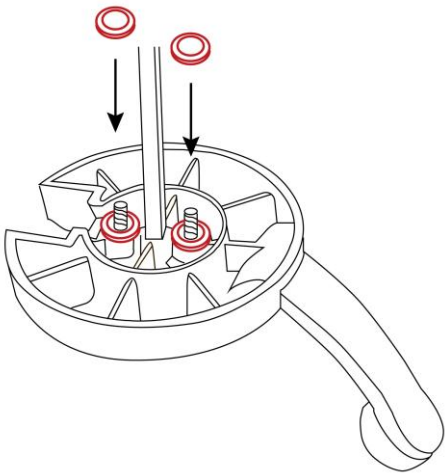
6. Take the Dish Direction Unit and turn the azimuth lock lever to the red position to release the brake. Locate the Dish Direction onto the Coupler Bush and use three M4 screws fix it in place.



7. Place the 4mm spindle into the elevation handle and fix to the Dish Direction Unit with two M4 screws.

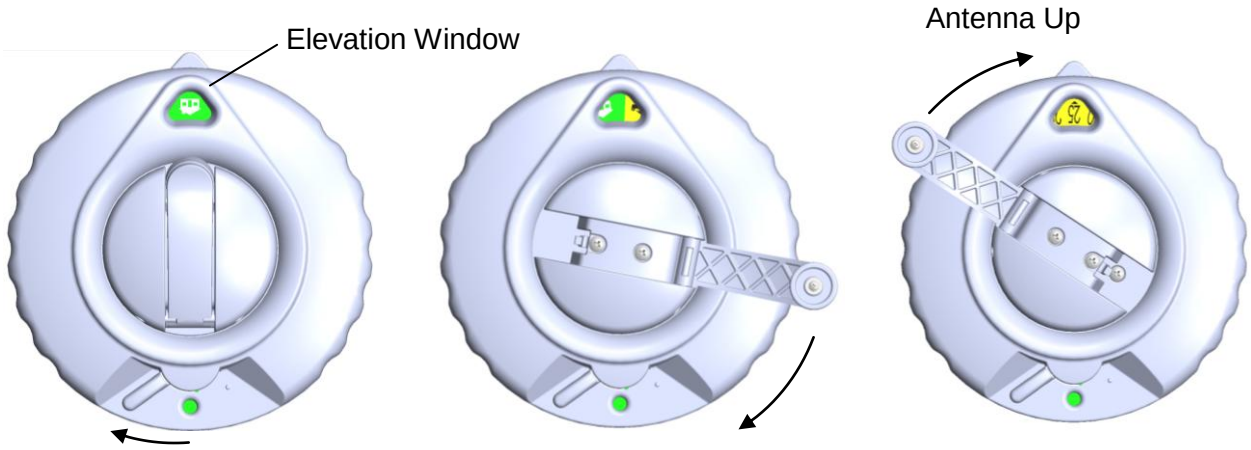


Note:
Add the 2 x M5 washers as image below before fixing the elevation handle



Attaching the Satellite Dish to the Antenna Unit

1. Ensure Antenna Unit is free from obstacles.
2. Turn the azimuth lock lever to the green position (locked for travel)
3. Elevate the antenna to 25 degrees (25 turns = 25 degrees)



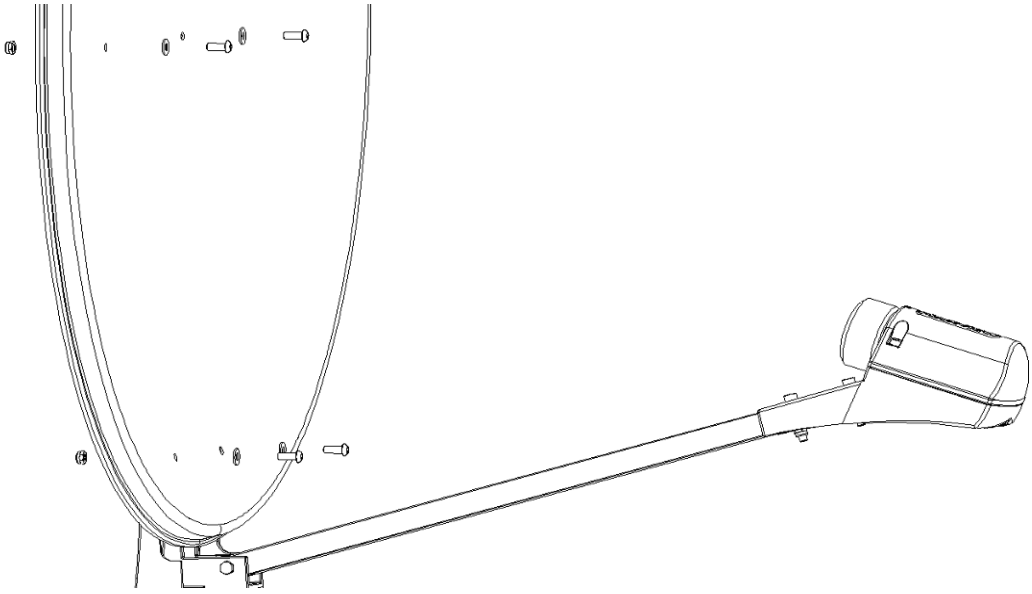
Azimuth Lock is Green - LOCKED for travel

Wind handle clockwise 25 turns to reach 25 degrees

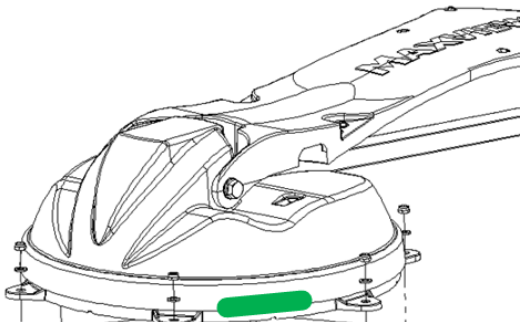
NOTE: The Home Position will go past the Elevation Window during the 25 turns, this is normal operation

4. Fix satellite dish to Antenna Arm using M6 Button Head Screws, M6 Nuts and 6mm Plastic Washers. (Please note the Crank Up is designed for a 65cm and 85cm satellite dish therefore 4 of the holes will be unused)

5. Remove all tools, packaging and obstructions from roof.



6. Finally, carefully remove the green transit tape from Antenna Unit in 2 places



Caution
Replace Nylon locking nuts if they have been removed more than twice. The locking action of the Nylon becomes less effective if repeatedly assembled and disassembled.

Finding a Satellite

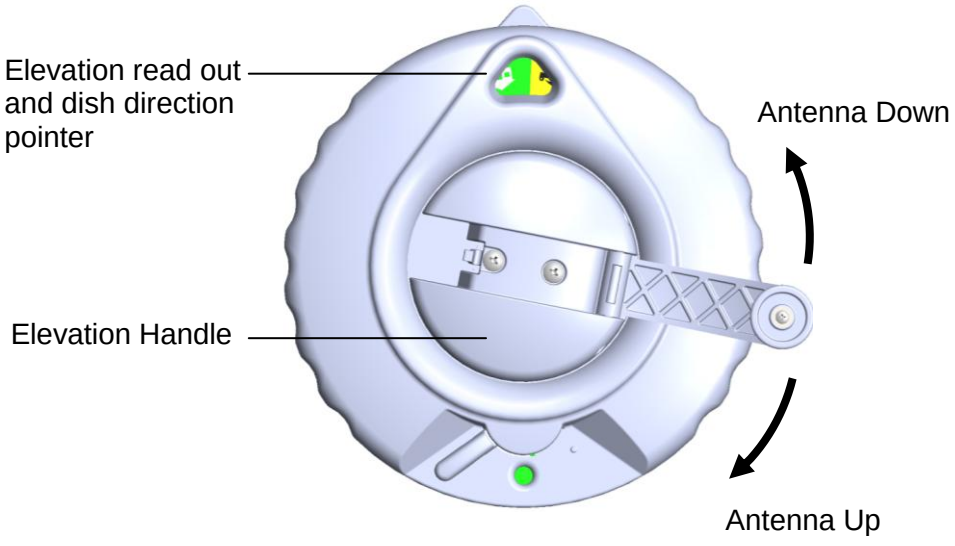
Location & Set-up

Before starting check there is a clear line of sight to the North to North West sky. All television broadcasting satellites have a geostationary orbit which means their location is fixed above the earth's equator. Satellites also have a limited range of transmission so use the Zone map included in the appendix to check your location is suitable for reception. If your location is near the limit of reception it is recommended to adjust the skew angle of the LNB to maximise signal quality and strength

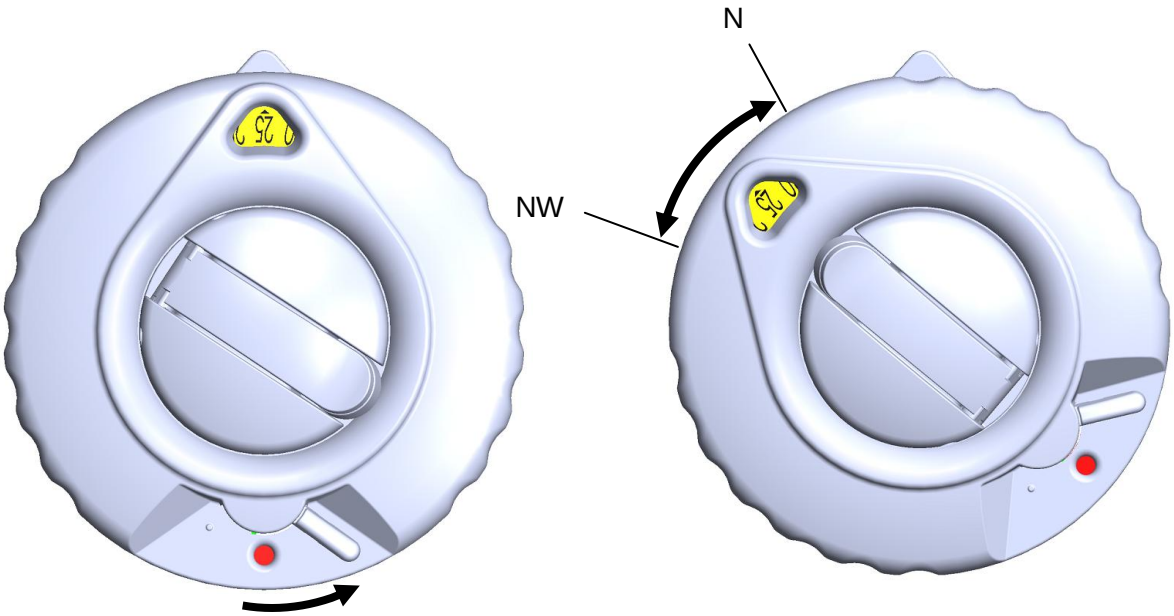
Note
Ensure the TV and Satellite Receiver are connected in accordance to the manufacturer's instructions.
The Zone map can be stuck to the wall if needed near the Dish Direction Unit

Starting Search

1. Open elevation handle
2. We recommend always winding the Antenna Handle 29 turns to 40 degrees as a starting position.
3. Determine the approximate dish elevation required from the zone map.
4. Adjust the elevation handle and wind to elevation shown on the zone map. (Compensate the elevation angle accordingly if your vehicle is not level)



5. Now Turn the Azimuth Lock Lever to the RED position to disengage the brake and turn Dish Direction Unit to a North to North Westerly direction as indicated by the compass.
6. Slowly scan from North to North West whilst checking for a picture on the Television.
7. If no satellite is found adjust the elevation by 2 degrees and repeat the scan.

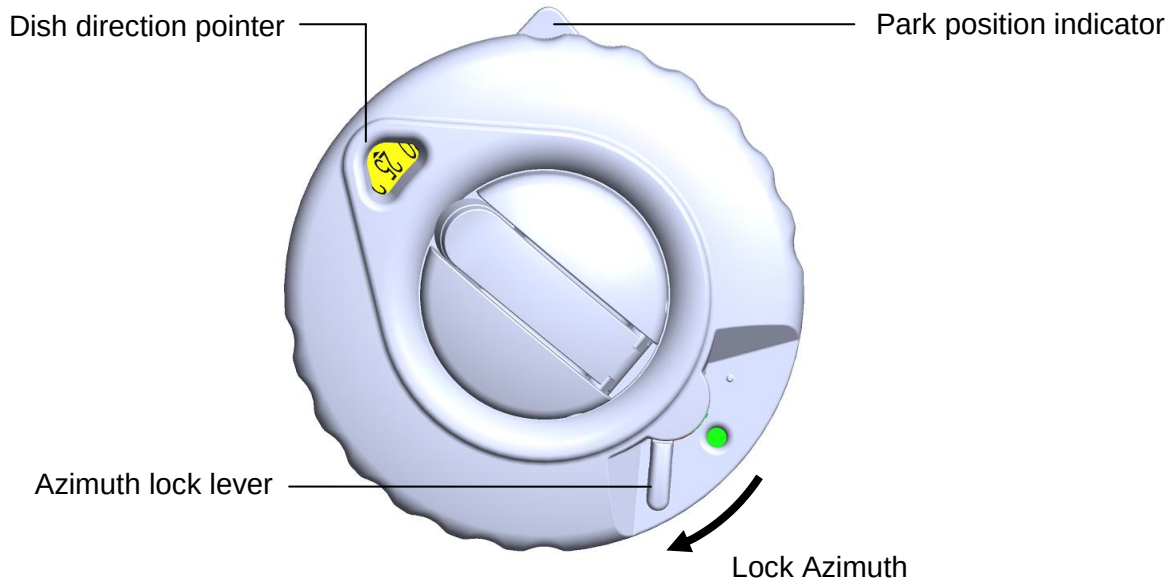


Unlock Azimuth Lock

Rotate Dish Direction Unit

8. When the satellite is found fine adjustment of the satellite system may now be required to achieve the best possible signal.

9. Turn the Azimuth Lock Lever to the GREEN position to apply the brake.



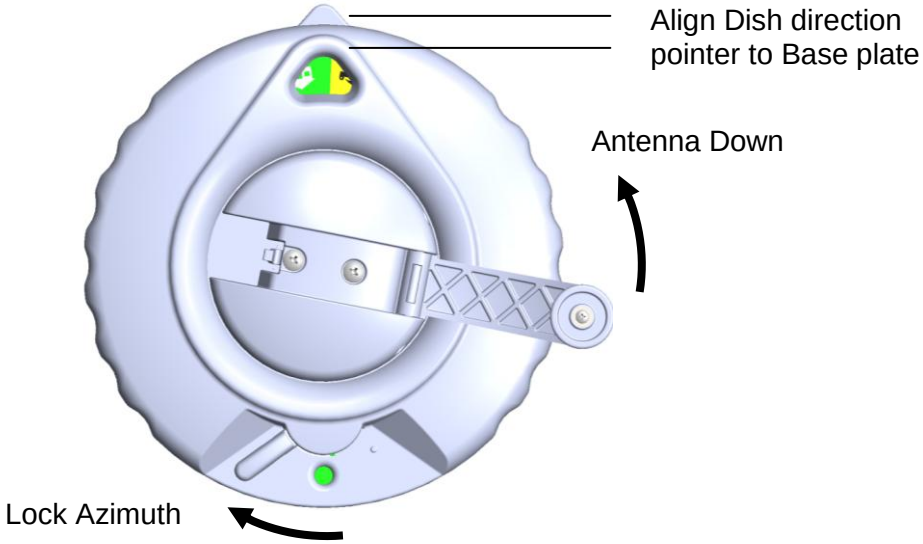
Azimuth lock lever: **Red** = Unlocked / **Green** = Locked

Lowering the Antenna

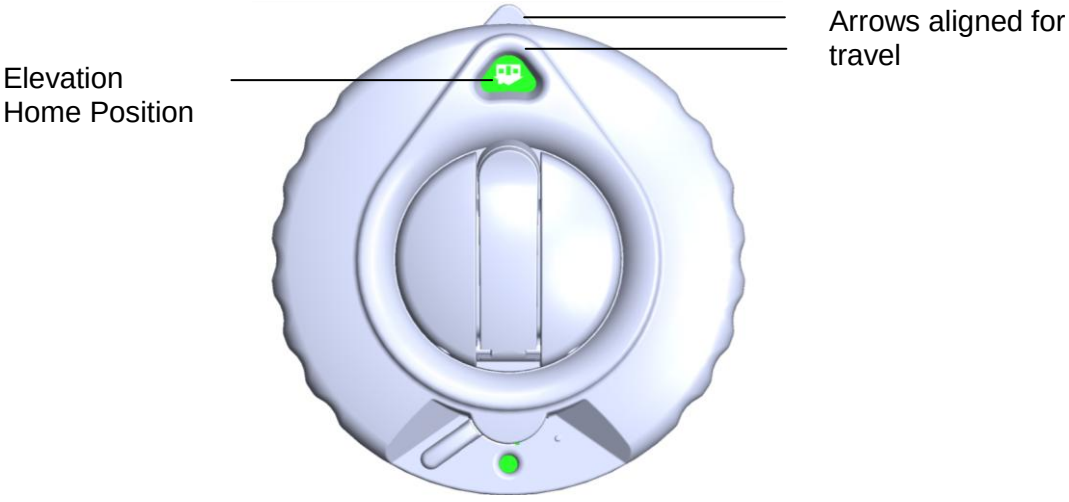
1. Rotate the Dish Direction Unit until it aligns with the Base Plate and Lock Azimuth (green)

2. Lower the antenna by rotating the Elevation Handle anti-clockwise

NOTE: The Home Position will go past the Elevation window once during the lowering operation before you see the Home Position for the second time. This is normal operation.



3. Slowly turn the handle until elevation indicator fully shows the home position and you feel some park resistance. Do not over wind the handle as this may damage the satellite system.



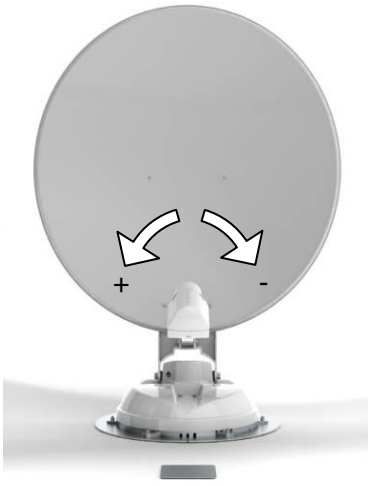
CAUTION: As a manual system we always recommend the '3 point safety check'
Before travelling;

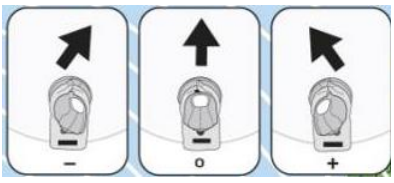
1. Elevation readout must show the Home position (check park resistance felt)
2. Azimuth Lock Lever must be in the Green Position and Park arrows aligned
3. Visual check on your roof to ensure the Antenna is fully lowered.

Skew Adjustment

The LNB Skew has been set at a factory default as per image below.
This is optimised for D1 and will allow good signal strength all over New Zealand.

Skew adjustment is only required when signal strength is weak at the limit of a given satellites' reception area. It involves adjusting the angle of the LNB on the roof mounted antenna unit once you have found the signal. Adjust until you find the strongest signal.





Caution
Follow general safety advice on page 4 when adjusting Antenna Unit.

Specification

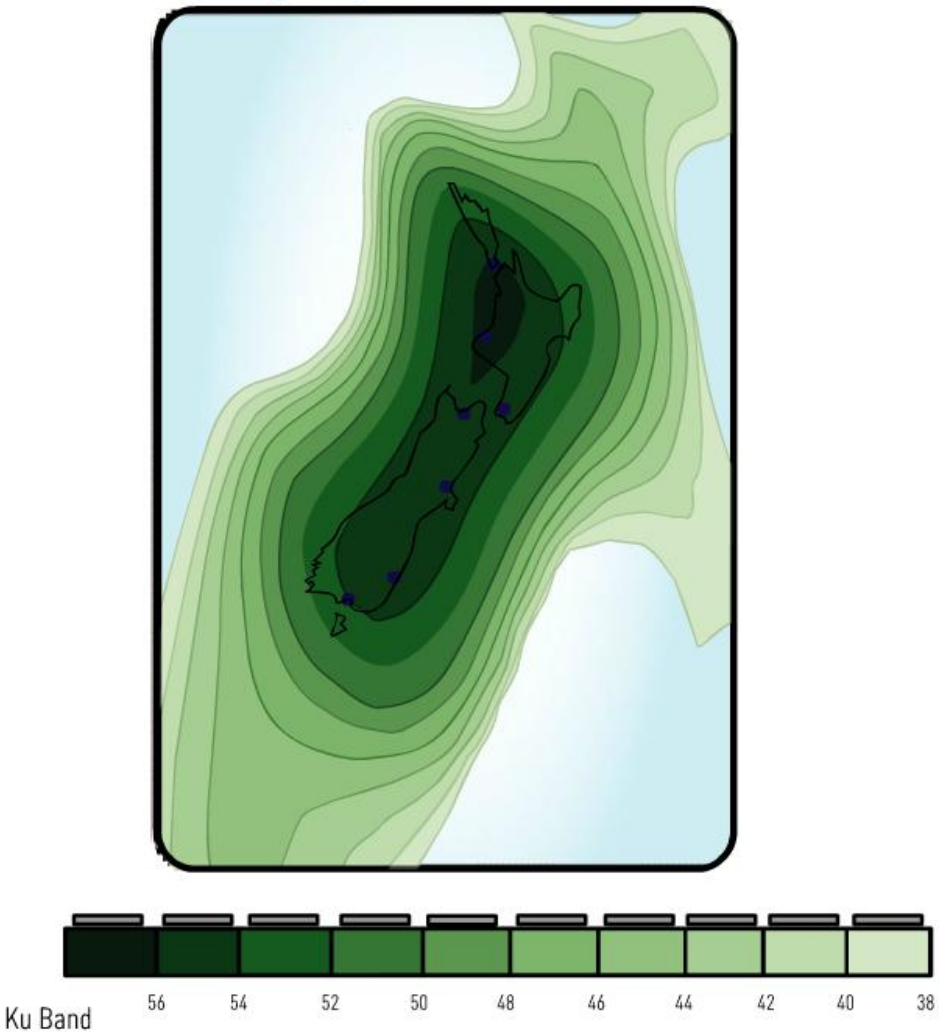
	B2590/65SNZ
Antenna Gain	36.0dB
LNB Outputs	1
Dimensions	
Antenna Height (min)	167mm
Antenna Height (max)	960mm
Handle (H x W D)	80mm x 120mm x 25mm
Mass	
Antenna	10kg
Handle	140g
Elevation Angle Range	10°-70°
Azimuth Rotation Angle	380°
Skew Angle	±45°

Note

- Design and Specifications are subject to change without notice.
- Mass and Dimensions shown are approximate.

Reception Maps

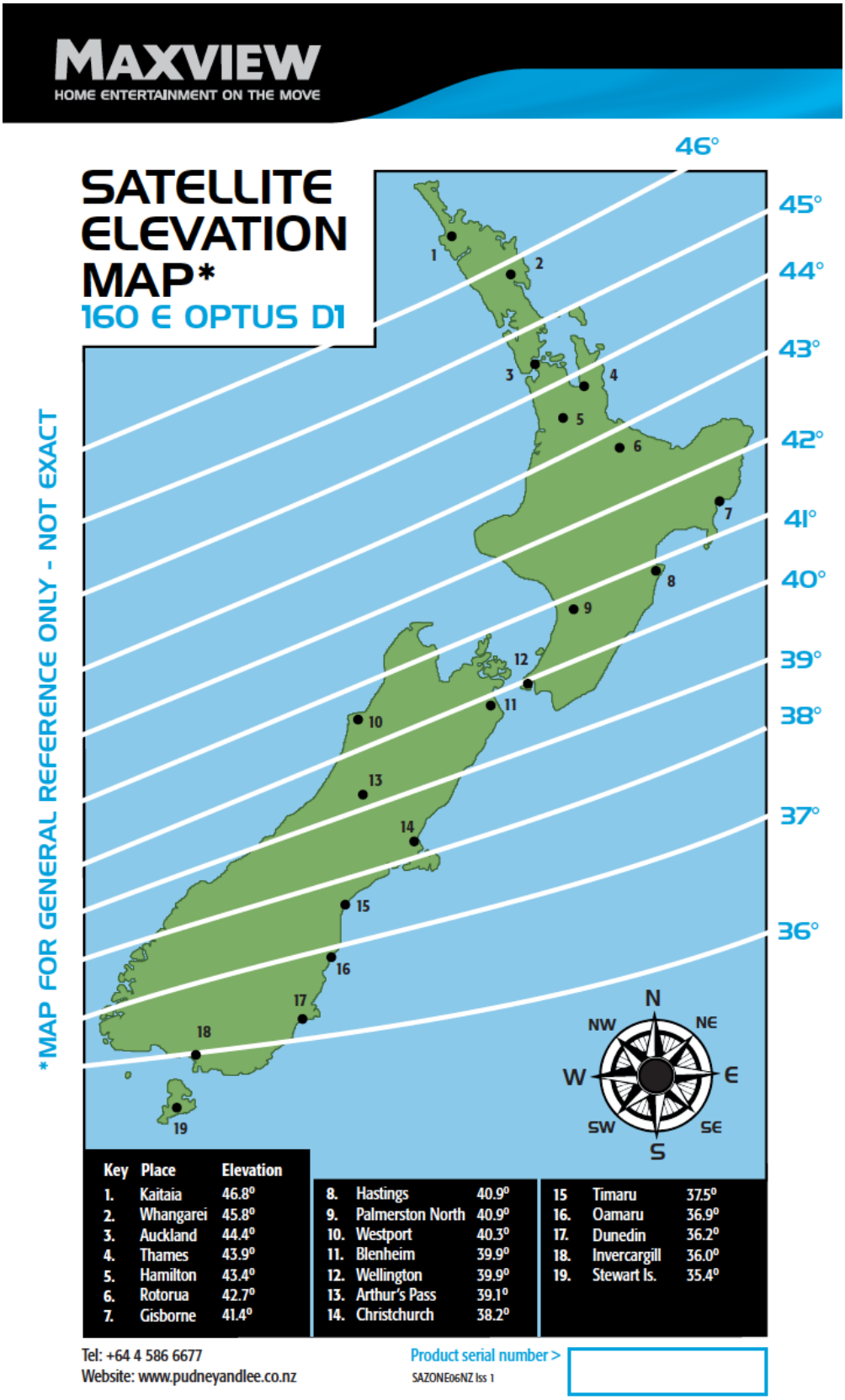
D1 FSS New Zealand (EIRP)



Notes

Notes

Satellite Zone Map



NZ Distributor:
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Email: sales @pudney.co.nz